2:Newcomb E-4, 5 (1951-1952) 1956
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243 taken together, is always as extensive, if not more so, than all the corn fields and kitchen gardens of an Indian family."[17] Luckenbach, a Moravian missionary of the early nineteenth century, said that the fields were "limited to two or three acres of corn for each family."[18] The Delawares today term the gardens "squaw patches" and claim that they never exceeded five acres in size (M.B., O.A.).

[361] Most Delaware archaeological sites are in creek or valley bottoms;[19] in the eighteenth century such bottom land was chosen for gardens, since it was easily worked and was generally fertile.[20] Zeisberger, in [312] the eighteenth century, took pains to point out that land away from rivers, although suitable for tillage by Europeans, was not utilized at all for this purpose by Indians.[21] Garden plots were cleared by bruising or removing the bark of the trees, then burning the trees after they were dry.[22] The seventeenth-century Swedish writers stated that garden plots [242] were moved after the soil was exhausted.[23] Van der Donck in the middle of the century and Loskiel in the next century denied the use of fertilizer.[24] New England Indians, however, fertilized the land with fish, and Wallace has suggested that this trait may have been present among the Delawares.[25]

Corn was planted in ". . . square hills (so far apart) that one can conveniently walk between the hills. . . . And in each hill 6 or 7 grains are set."[26] According to De Rasieres:

> They make heaps like molehills, each about two and a half feet from the others, which they sow or plant in April with maize, in each heap five or six grains; in the middle of May, when the maize is the height of a finger or more, they plant in each heap three or four Turkish beans .... It [corn] is a grain to which much labor must be given, with weeding and earthing-up, or it does not thrive; and to this the women must attend very closely.[27]

244 Squash, pumpkins, several varieties of beans, and tobacco were also
249 grown.[28] According to M.B. tobacco was grown only by women past the menopause. The Delawares blended their tobacco with sumac, one third sumac to two thirds tobacco.[29]

224 Hunting.—Hunting was important to the Delaware economy, not only because it provided food, but also because pelts and hides provided most of the material for clothing. The main objects of the hunt were deer and bear, but virtually all of the other mammals of their habitat were hunted and utilized for clothing or for food. This list included fox, raccoon, skunk, porcupine, opossum, and squirrel.[30] The Delawares

[17] Kalm, 1937, I: 307.
[18] Luckenbach, 1938, pp. 598-99.
[19] Personal communication from John Witthoft.
[20] Zeisberger, 1910, p. 44.
[21] *Ibid.*, p. 36.
[22] Johnson, 1917, p. 279; Kalm, 1937, I: 230; Harrington, 1913, p. 221.
[23] Johnson, 1917, p. 279.
[24] Loskiel, 1794, p. 66.
[25] Flannery, 1939, p. 10; Wallace, 1947, p. 18.
[26] Lindestrom, 1925, p. 179.
[27] De Rasieres, 1909, p. 107; Johnson, 1917, p. 279; and Harrington, 1913, p. 221, contain similar accounts of their horticulture.
[28] Juet, 1909, p. 21; Johnson, 1917, p. 279; Kalm, 1937, I: 74; Lindestrom, 1925, pp. 180-81; Holm, 1834, p. 122.
[29] Speck, 1943, p. 324.
[30] Denton, 1845, p. 7; Van der Donck, 1909, p. 303; Zeisberger, 1910, pp. 37, 62-63.